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PTO/SB/08b (11-08)

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/578,402-Conf. #3013
				Filing Date	November 21, 2006
				First Named Inventor	Laurie H. GLIMCHER
				Art Unit	1633
				Examiner Name	Kevin K. HILL
Sheet	2	of	14	Attorney Docket Number	HUI-045CP2US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	C1	Affolter, <i>et al.</i> , "Nuclear interpretation of Dpp signaling in Drosophila," <i>EMBO J.</i> , Vol. 20(13):3298-305 (2001)		
	C2	Allen, <i>et al.</i> , "Developmental anomalies and neoplasia in animals and cells deficient in the large zinc finger protein KRC," <i>Genes Chromosomes Cancer</i> , Vol. 35(4):287-98 (2002)		
	C3	Allen, <i>et al.</i> , "Downregulation of KRC induces proliferation, anchorage independence, and mitotic cell death in HeLa cells," <i>Exp Cell Res.</i> , Vol. 260(2):346-56 (2000)		
	C4	Allen, Carl E. <i>et al.</i> , "KRC controls cell growth by regulating the transcription of c-myc," Presented at the American Society of Biochemistry and Molecular Biology Annual Meeting, Washington, D.C., pg. A1391, Abstract No. 473 (1998)		
	C5	Allen, <i>et al.</i> , "The kappa B transcriptional enhancer motif and signal sequences of V(D)J recombination are targets for the zinc finger protein HIVP3/KRC: a site selection amplification binding study," <i>BMC Immunol.</i> , Vol. 22:3(1):10 (2002)		
	C6	Alliston, Tamara <i>et al.</i> , "TGF- $\beta$ -induced repression of CBFA1 by Smad3 decreases cbfa1 and osteocalcin expression and inhibits osteoblast differentiation," <i>The EMBO Journal</i> , Vol. 20(9):2254-2272 (2001)		
	C7	Anders, Hans-Joachim <i>et al.</i> , "Murine Models of Renal Disease: Possibilities and Problems in Studies Using Mutant Mice," <i>Exp. Nephrol.</i> , Vol. 8:181-193 (2000)		
	C8	Angel P, <i>et al.</i> , "Phorbol ester-inducible genes contain a common cis element recognized by a TPA-modulated trans-acting factor," <i>Cell</i> , Vol. 49(6):729-39 (1987)		
	C9	Arch, <i>et al.</i> , "Tumor necrosis factor receptor-associated factors (TRAFs)--a family of adapter proteins that regulates life and death," <i>Genes Dev.</i> , Vol. 12(18):2821-30 (1998)		
	C10	Arias, <i>et al.</i> , "Activation of cAMP and mitogen responsive genes relies on a common nuclear factor," <i>Nature</i> , Vol. 370(6486):226-9 (1994)		

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	C11	Arora, <i>et al.</i> , "The Drosophila schnurri gene acts in the Dpp/TGF beta signaling pathway and encodes a transcription factor homologous to the human MBP family," <i>Cell</i> , Vol. 81(5):781-90 (1995)		
	C12	Bachmeyer, <i>et al.</i> , "Regulation by phosphorylation of the zinc finger protein KRC that binds the kappaB motif and V(D)J recombination signal sequences," <i>Nucleic Acids Res.</i> , Vol. 27(2):643-8 (1999)		
	C13	Behre, <i>et al.</i> , "C-Jun is a JNK-independent coactivator of the PU.1 transcription factor," <i>J. Biol. Chem.</i> , Vol. 274(8):4939-46 (1999)		
	C14	Behrens, <i>et al.</i> , "Jun N-terminal kinase 2 modulates thymocyte apoptosis and T cell activation through c-Jun and nuclear factor of activated T cell (NF-AT)," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 98(4):1769-74 (2001)		
	C15	Bianchi, <i>et al.</i> , "Integrin LFA-1 interacts with the transcriptional co-activator JAB1 to modulate AP-1 activity," <i>Nature</i> , Vol. 404(6778):617-21 (2000)		
	C16	Binetruy, <i>et al.</i> , "Ha-Ras augments c-Jun activity and stimulates phosphorylation of its activation domain," <i>Nature</i> , Vol. 351(6322):122-7 (1991)		
	C17	Bishop, Jo, "Chromosomal insertion of foreign DNA," <i>Reprod. Nutr. Dev.</i> , Vol. 36:607-618 (1996)		
	C18	Blokzijl, Andries <i>et al.</i> , "Physical and Functional Interaction between GATA-3 and Smad3 Allows TGF- $\beta$ Regulation of GATA Target Genes," <i>Current Biology</i> , Vol. 12:35-45 (2002)		
	C19	Borden, <i>et al.</i> , "The solution structure of the RING finger domain from the acute promyelocytic leukaemia proto-oncoprotein PML," <i>EMBO J.</i> , Vol. 14(7):1532-41 (1995)		
	C20	Bork, Peer, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle," <i>Genome Research</i> , Vol. 10:398-400 (2000)		

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	C21	Cameron, Ewan R., "Recent Advances in Transgenic Technology," <i>Molecular Biotechnology</i> , Vol. 7:253-265 (1997)		
	C22	Cao, <i>et al.</i> , "TRAF6 is a signal transducer for interleukin-1," <i>Nature</i> , Vol. 383(6599):443-6 (1996)		
	C23	Castellanos, <i>et al.</i> , "Expression of the leukocyte early activation antigen CD69 is regulated by the transcription factor AP-1," <i>J. Immunol.</i> , Vol. 159(11):5463-73 (1997)		
	C24	Claret, <i>et al.</i> , "A new group of conserved coactivators that increase the specificity of AP-1 transcription factors," <i>Nature</i> , Vol. 383(6599):453-7 (1996)		
	C25	Cleland, Jeffrey L. et al., "Emerging protein delivery methods," <i>Current Opinion in Biotechnology</i> , Vol. 12:212-219 (2001)		
	C26	Cohn, <i>et al.</i> , "Characterization of Sp1, AP-1, CBF and KRC binding sites and minisatellite DNA as functional elements of the metastasis-associated mts1/S100A4 gene intronic enhancer," <i>Nucleic Acids Res.</i> , Vol. 29(16):3335-46 (2001)		
	C27	Daga, Andrea et al., "Patterning of cells in the <i>Drosophila</i> eye by Lozenge, which shares homologous domains with AML1," <i>Genes &amp; Development</i> , Vol. 10:1194-1205 (1996)		
	C28	Dai, <i>et al.</i> , "The zinc finger protein schnurri acts as a Smad partner in mediating the transcriptional response to decapentaplegic," <i>Dev. Biol.</i> , Vol. 227(2):373-87 (2000)		
	C29	Deng, <i>et al.</i> , "c-Fos transcriptional activity stimulated by H-Ras-activated protein kinase distinct from JNK and ERK," <i>Nature</i> , Vol. 371(6493):171-5 (1994)		
	C30	Denning, C. et al., "Deletion of the $\alpha(1,3)$ galactosyl transferase (GGTA1) gene and the prion protein ( <i>PrP</i> ) gene in sheep," <i>Nature Biotechnology</i> , Vol. 19:559-562 (2001)		

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	C31	Deonarain, Mahendra P., "Ligand-targeted receptor-mediated vectors for gene delivery," <i>Exp. Opin. Ther. Patents</i> , Vol. 8(1):53-69 (1998)		
	C32	Derynck, Rik et al., "Smads: Transcriptional Activators of TGF- $\beta$ Responses," <i>Cell</i> , Vol. 95:737-740 (1998)		
	C33	Doerks, Tobias et al., "Protein annotation: detective work for function prediction," <i>TIG</i> , Vol. 14(6):248-250 (1998)		
	C34	Dong, et al., "JNK is required for effector T-cell function but not for T-cell activation," <i>Nature</i> , Vol. 405(6782):91-4 (2000)		
	C35	Dumitru, et al., "TNF-alpha induction by LPS is regulated posttranscriptionally via a Tpl2/ERK-dependent pathway," <i>Cell</i> , Vol. 103(7):1071-83 (2000)		
	C36	Durand, et al., "A 275 basepair fragment at the 5' end of the interleukin 2 gene enhances expression from a heterologous promoter in response to signals from the T cell antigen receptor," <i>J. Exp. Med.</i> , Vol. 165(2):395-407 (1987)		
	C37	Eck, Stephen L. et al., "Gene-Based Therapy," <i>Goodman &amp; Gilman's The Pharmacological Basis of Therapeutics</i> , Ninth Edition, McGraw-Hill, Chpt. 5, pgs. 77-101 (1996)		
	C38	Gerlai, Robert, "Gene-targeting studies of mammalian behavior: is is the mutation or the background genotype," <i>Trends Neurosci.</i> , Vol. 19:177-181 (1996)		
	C39	Ghosh, et al., "NF-KappaB and Rel Proteins: Evolutionarily conserved mediators of immune responses," <i>Annu. Rev. Immunol.</i> , Vol. 16:226-260 (1998)		
	C40	Glimcher, Laurie H. et al., "Control of Postnatal Bone Mass by the Zinc Finger Adapter Protein Schnurri-3," <i>Ann. N.Y. Acad. Sci.</i> , Vol. 1116:174-181 (2007)		

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	C41	Górecki, Dariusz C., "Prospects and problems of gene therapy: an update," <i>Expert Opinion Emerging Drugs</i> , Vol. 6(2):187-198 (2001)		
	C42	Grieder, <i>et al.</i> , "Schnurri is required for Drosophila Dpp signaling and encodes a zinc finger protein similar to the mammalian transcription factor PRDII-BF1," <i>Cell</i> , Vol. 81(5):791-800 (1995)		
	C43	Hicar, <i>et al.</i> , "Embryonic expression and regulation of the large zinc finger protein KRC," <i>Genesis</i> , Vol. 33(1):8-20 (2002)		
	C44	Hicar, <i>et al.</i> , "Structure of the human zinc finger protein HIVEP3: molecular cloning, expression, exon-intron structure, and comparison with paralogous genes HIVEP1 and HIVEP2," <i>Genomics</i> , Vol. 71(1):89-100 (2001)		
	C45	Himes, <i>et al.</i> , "High mobility group protein I(Y) is required for function and for c-Rel binding to CD28 response elements within the GM-CSF and IL-2 promoters," <i>Immunity</i> , Vol. 5(5):479-89 (1996)		
	C46*	Hjelmsøe, <i>et al.</i> , "The kappaB and V(D)J recombination signal sequence binding protein KRC regulates transcription of the mouse metastasis-associated gene S100A4/mts1," <i>J. Biol. Chem.</i> , Vol. 275(2):913-20 (2000)		
	C47	Houdebine, Louis-Marie, "Production of pharmaceutical proteins from transgenic animals," <i>Journal of Biotechnology</i> , Vol. 34:269-287 (1994)		
	C48	Humpherys, David <i>et al.</i> , "Epigenetic Instability in ES Cells and Cloned Mice," <i>Science</i> , Vol. 293:95-97 (2001)		
	C49	Ip, <i>et al.</i> , "Signal transduction by the c-Jun N-terminal kinase (JNK)—from inflammation to development," <i>Curr. Opin. Cell Biol.</i> , Vol. 10(2):205-19 (1998)		
	C50	Isakov, <i>et al.</i> , "Protein kinase C(theta) in T cell activation," <i>Annu. Rev. Immunol.</i> , Vol. 20:761-94 (2002)		

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	C51	Jain, <i>et al.</i> , "Nuclear factor of activated T cells contains Fos and Jun," <i>Nature</i> , Vol. 356(6372):801-4 (1992)	
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	C54	Jones, Dallas C. et al., "Regulation of Adult Bone Mass by the Zinc Finger Adapter Protein Schnurri-3," <i>Science</i> , Vol. 312:1223-1227 (2006)	
	C55	Jones, Dallas C. et al., "Schnurri-3: A Key Regulator of Postnatal Skeletal Remodeling," <i>Adv. Exp. Med. Biol.</i> , Osteoimmunology, Interactions of the Immune and Skeletal Systems, Yongwon Choi, Ed., Springer, Volume 602, Chapter 1, pgs. 1-13 (2007)	
	C56	Jones, Dallas C. et al., "Schnurri-3 is an essential regulator of osteoblast function and adult bone mass," <i>Ann. Rheum. Dis</i> , Vol. 66(Suppl. III):iii49-iii51 (2007)	
	C57	Kamei, <i>et al.</i> , "A CBP integrator complex mediates transcriptional activation and AP-1 inhibition by nuclear receptors," <i>Cell</i> , Vol. 85(3):403-14 (1996)	
	C58	Kappel, Catherine A. et al., "Regulating gene expression in transgenic animals," <i>Current Opinion in Biotechnology</i> , Vol. 3:548-553 (1992)	
	C59	Karin, <i>et al.</i> , "AP-1 function and regulation," <i>Curr. Opin. Cell Biol.</i> , Vol. 9(2):240-6 (1997)	
	C60	Karin M., "The NF-kappa B activation pathway: its regulation and role in inflammation and cell survival," <i>Cancer J. Sci. Am.</i> , Vol. 4 Suppl 1:S92-9 (1998)	

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	C61	Kuroiwa, Yoshimi et al., "Sequential targeting of the genes encoding immunoglobulin-μ and prion protein in cattle," <i>Nature Genetics</i> , Vol. 36(7):775-780 (2004)		
	C62	Lee, et al., "Activating protein-1, nuclear factor-kappaB, and serum response factor as novel target molecules of the cancer-amplified transcription coactivator ASC-2," <i>Mol. Endocrinol.</i> , Vol. 14(6):915-25 (2000)		
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	C64	Lee, et al., "TRAF2 is essential for JNK but not NF-kappaB activation and regulates lymphocyte proliferation and survival," <i>Immunity</i> , Vol. 7(5):703-13 (1997)		
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	C67	Lindsten, et al., "Regulation of lymphokine messenger RNA stability by a surface-mediated T cell activation pathway," <i>Science</i> , Vol. 244(4902):339-43 (1989)		
	C68	Lund, Anders H. et al., "RUNX: A trilogy of cancer genes," <i>Cancer Cell</i> , Vol. 1:213-215 (2002)		
	C69	Lutterbach, B. et al., "Role of the transcription factor AML-1 in acute leukemia and hematopoietic differentiation," <i>Gene</i> , Vol. 245:223-235 (2000)		
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				Filing Date	November 21, 2006
				First Named Inventor	Laurie H. GLIMCHER
				Art Unit	1633
				Examiner Name	Kevin K. HILL
Sheet	9	of	14	Attorney Docket Number	HUI-045CP2US

NON PATENT LITERATURE DOCUMENTS			
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	C71	Mak, <i>et al.</i> , "KRC transcripts: identification of an unusual alternative splicing event," <i>Immunogenetics</i> , Vol. 48(1):32-9 (1998)	
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	C76	Moreadith, Randall Wade <i>et al.</i> , "Gene targeting in embryonic stem cells: the new physiology and metabolism," <i>J. Mol. Med.</i> , Vol. 75:208-216 (1997)	
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	C87	Polejaeva, I.A. <i>et al.</i> , "New Advances in Somatic Cell Nuclear Transfer: Application in Transgenesis," <i>Theriogenology</i> , Vol. 53:117-126 (2000)	
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	C89	Rooney, <i>et al.</i> , "Coordinate and cooperative roles for NF-AT and AP-1 in the regulation of the murine IL-4 gene," <i>Immunity</i> , Vol. 2(5):473-83 (1995)	
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	C98	Staehling-Hampton, et al., "A Drosophila protein related to the human zinc finger transcription factor PRDII/MBPI/HIV-EP1 is required for dpp signaling," <i>Development</i> , Vol. 121(10):3393-403 (1995)	
	C99	Sun, et al., "PKC-theta is required for TCR-induced NF-kappaB activation in mature but not immature T lymphocytes," <i>Nature</i> , Vol. 404(6776):402-7 (2000)	
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	C121	International Search Report for Application No. PCT/US04/36641, dated May 18, 2005	
	C122	International Preliminary Report on Patentability for Application No. PCT/US2004/036641, dated May 8, 2006	

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